

Work Order ID 89455 - 1

\*89455\*

Page 1

August 23, 2012 8:15:05 AM

Item ID: D3628-5  
Revision ID:  
Item Name: Cupped Washer

*split* Accept

\*N900040100\*

Setup Start \*NS1\*  
Stop \*NS2\*

Start Date: 8/23/12 Start Qty: 4,000.00 \*4000\*  
Required Date: 9/10/12 Req'd Qty: 4,000.00 \*4000\*

Cust Item ID:  
Customer:

Reference:

Approvals: Process Plan: *CL* Date: 12/18/22 Tooling: Date:  
QC: Date: SPC (Y/N): Date:

Run Start \*NR1\*  
Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3628	C

100 0.00

\*100\*

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 17738

Manufacture as per dwg D3628

Possible Supplier: GFI

Material release note is required

*CL* 12/08/23 (4000)

110

\*110\*

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs 0.00

Memo

Ensure material certification is attached

*CL* 12/25/21 (2500)



# Work Order ID 89455

August 23, 2012 8:15:05 AM

\*89455\*

Page 2

Item ID: D3628-5

Accept

\*N9000040100\*

Setup Start \*NS1\*

Revision ID:

Item Name: Cupped Washer

Stop \*NS2\*

Start Date: 8/23/12

Start Qty: 4,000.00

\*4000\*

Cust Item ID:

Required Date: 9/10/12

Req'd Qty: 4,000.00

\*4000\*

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00

\*120\*

QC

Memo

0.00

Quality Control

130

Identify as per dwg & Stock Location: 6el

0.00

\*130\*

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

\*140\*

QC

Memo

0.00

Quality Control

ME  
12-09-27





# Picklist Print

August 23, 2012 8:15:04 AM

Page 1

Work Order ID: 89455  
Parent Item: D3628-5  
Parent Item Name: Cupped Washer

Start Date: 8/23/12  
Start Qty: 4,000.00

Required Date: 9/10/12  
Required Qty: 4,000.00

Comments: IPP REV:A 12.04.24 NEW ISSUE DD VERF:EC

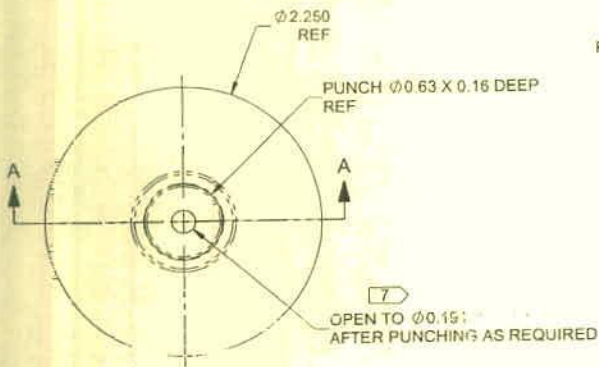
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3628-5P CUPPED WASHER		Purchased	No			110	Each	0.0000	1	4000			

*Rec'd 9/12/12* *(2000)*

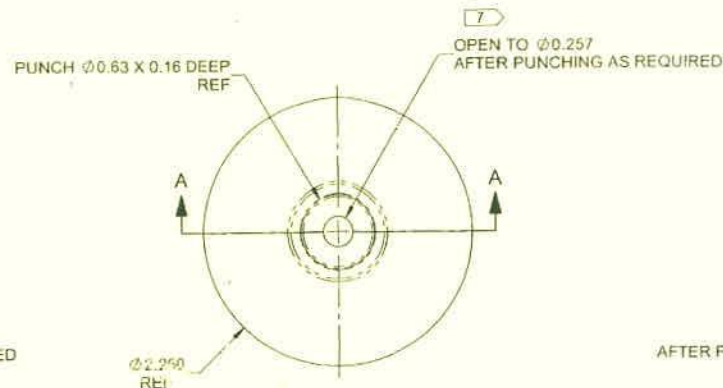




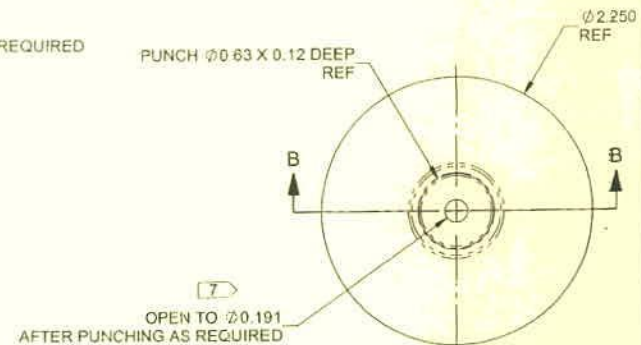
CD/12108/22



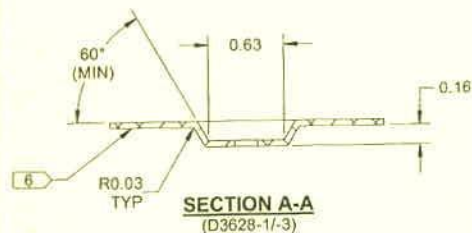
**D3628-1 CUPPED WASHER**



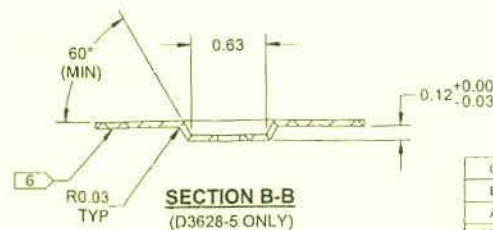
**D3628-3 CUPPED WASHER**



**D3628-5 CUPPED WASHER**



**SECTION A-A**  
(D3628-1/-3)



**SECTION B-B**  
(D3628-5 ONLY)

**NOTES:**

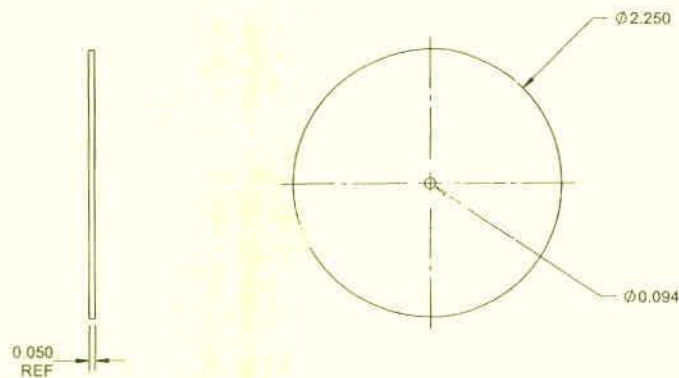
- 1) MATERIAL: MADE FROM D3628-1F
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.5
- 7) WHEN DRILLING OUT THE CENTRE HOLE AFTER PUNCHING, ENSURE THAT THE HOLE IS DRILLED CONCENTRIC TO THE CUPPED AREA, WITHIN 0.03
- 8) WEIGHT: 0.02 lbs

RELEASE  
R 2012-05-07

C	UPDATE DWG TO CURRENT STD, ADD -5, ZN C1-1.	DC	12.04.19
B	REMOVE POWDER COAT	CB	07.07.09
A	NEW ISSUE	CB	07.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	BC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	BC		
CHECKED	BC	DRAWING NO.	REV. C
MFG. APPR.	BC	D3628	SHEET 1 OF 2
APPROVED	BC	TITLE	SCALE
DE APPR.	BC	CUPPED WASHER	NTS
DATE	12.04.19	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED BY THE EXCLUSIVE AGREEMENT THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	







**D3628-1F FLAT PATTERN**

**RELEASED**  
2012-05-07  
MP

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK)  
ANNEALED, 2B FINISH  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.02 lbs

DESIGN	DC	<b>DART AEROSPACE LTD</b>	
DRAWN	DC	HAWKESBURY, ONTARIO, CANADA	
CHECKED	EP	DRAWING NO.	REV. C
MFG. APPR.	EP	D3628	SHEET 2 OF 2
APPROVED	MP	TITLE	SCALE
DE APPR.	MP	CUPPED WASHER	NTS
DATE	12.04.19	COPYRIGHT © 2007 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION (FROM DART AEROSPACE LTD)			





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO17738**

Purchase Order Date 8/23/12

PO Print Date 8/24/12

Page Number 1 of 1

Order From :

VC-GFI001

GFI  
180 AVENUE LABROSSE  
POINTE CLAIRE, QC H9R 1A1  
CA

Contact Name

Vendor Phone 514 630 4877

Vendor Fax 514 630 4849

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

*REVISED*  
*\$ -*

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3628-SP	CUPPED WASHER	9/14/12 Yes	4,000.00 Each	FedEx PI collect	\$2.0000	\$8,000.00

Special Insc. AS PER DWG D3628 REV. C  
B89455

*See 2 SW*  
*8/23/12*

PO Total:

\$8,000.00

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

*CL*

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required **YES** NO

Change Nbr: 2

Change Date: 8/24/12







180 AVENUE LABROSSE  
POINTE-CLAIRE, QC, CANADA H9R 1A1  
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

Il est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



# BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.		PAGE
JR - DY	MO - MQ	AN - YR			
26	09	12	0497941		1/1




NDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON  
K6A 1K7

DART AEROSPACE LTD  
1270 ABERDEEN ST.  
HAWKESBURY, ON  
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE		N° DE CONTRAT / JOB NO.	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299		0255796	PO17738	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO.	DESCRIPTION
2500	D3628-5P	CUPPED WASHER
<p>MFG. JOB# <u>J0255796-001</u> QTY <u>2500</u> pcs</p> <p>DUE DATE: <u>14 September 2012</u></p> <p></p>		

EXPÉDITEUR / SHIPPER

N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.  
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.





CERTIFICATE OF COMPLIANCE  
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE  
POINTE CLAIRE, QC  
H9R 1A1

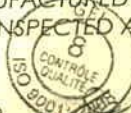
**DART AEROSPACE LTD**  
1270 ABERDEEN ST.  
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO.	<u>2</u>	OUR JOB NO	<u>J0255796</u>	SHIPPING MEMO	<u>0497941</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>--</u>	<u>2500 PCS</u>	<u>PO17738</u>	<u>D3628-5P</u>	<u>C</u>	<u>CUPPED WASHER</u>	<u>C</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.		
<u>AMS 5513 304 ANN</u>		<u>TW METALS / ALLEGHENY LUDLUM</u>		<u>H/N 837666</u>		
PROCESS		PROCESSOR		RELEASE NOTE #		
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>		<u>N/A</u>		
2	<u>REF. GFI MANUFACTURING JOB NUMBER J0255796-001 (2500 PCS)</u>	<u>GFI</u>		<u>N/A</u>		
3						
4						
5						
6						
7						
8						
9						

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 25 SEPTEMBER 2012

G.F.I. Q.C. REP.



*[Signature]*





CERTIFICATIONSFRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under statutes including federal law. Title 18 chapter 47.

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

MERCURY FREE STATEMENT

TW Metals certifies that the supplies furnished under this contract contain no metallic mercury or mercury compounds, and have not come in contact with mercury or alpha bearing instruments while in the possession of TW Metals Inc.

Customer Name: GFI, Inc  
Purchase Order No.: 0081162  
Item number: 0001 Shipper/Invoice No.: 03300298  
Material: 304 S/S sheet Manufacturing Mill: United Performance  
Specification: Ams 5513 Heat / Lot No. 837666  
Size: .050 Quantity: 8 pcs  
Signature: Janice Clark Date: 9/13/12





NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6166-4 1211

CUST. ORD. NO. & DATE: 01020865  
FORMS DISTRIBUTION: 1 SHIP TO: 1  
SOLD TO: UNITED PERFORMANCE METALS, 3475 SYMMES ROAD, HAMILTON, OH 45015  
CUST. CODE: 05/17/12 110977  
VANDERGRIFT, PA. 545003  
SHIP TO: UNITED PERFORMANCE METALS, 3475 SYMMES ROAD, HAMILTON, OH 45015  
PRODUCT CODE: 13020102060000  
MILL ORDER NUMBER: 30-052-366  
DATE SHIPPED: 07/03/12  
SHIPPING LOCATION: PA 655648  
SHIP TO: UNITED PERFORMANCE METALS, 3475 SYMMES ROAD, HAMILTON, OH 45015

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	36./050/2507.	837666	05242N093	8794397	15650	50	15600		872978		
		C CUST IDENTITY 00636										
		1 SKID				15650	50	15600				

TYPE HEAT/TEST	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
HEAT 837666	.021	1.75	.033	.0001	.35	18.22	8.09	.32	.45	.08
TEST LOCATION	BN	BN	BN	BN	BN	BN	BN	BN	BN	BN
CHECK 8794397	.023	1.77	.033	.0002	.35	18.19	8.06	.32	.45	.07
TEST LOCATION	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	A 262 PR E	GRAIN SIZE
001 8794397	T 45500.	95000.	75.		82.HRBW	T PASS	PASS	7.
TEST LOCATION	TC	TC	TC		82.HRBW	TC	TC	TC
	* Y.S. BY 0.2% OFFSET METHOD							
ITEM TEST NO	CORROSION MELT	T-YIELD	P&W E-25					
001 8794397	ISO 3651-2 SOURCE	1%	TRAN BEND					
TEST LOCATION	PASS	1.	52500.		2.			

TW METALS  
149280492  
JUL 23 2012  
ACCEPTED BY

REVIEWED BY Q.C.  
Date: 7/4/12 By: [Signature]

PAGE 01 - CONTINUED ON PAGE 02

CONSIGNEE-Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or change is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5880. CAUTION: Processing this material may cause lung disease. See Material Safety Data Sheets for further information.

WARNING: Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5880. Attention: les traitements entraîneront la production de vapeurs, poussières, ou solutions pouvant être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.  
07/03/12 15:45:13  
Stephen Watt - Director, Corporate Quality Assurance

Description: 30400L ANV 048-052 AMS5513.5511  
Customer: TW METALS  
Shipped: 07/20/2012  
Heat: 837666

Size: 36 x 120  
P.O.: M49280492  
Part#: S1073  
Sales #: 01191693  
Quantity: 16

UNITED PERFORMANCE METALS  
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:  
3475 Symmes Road Hamilton, OH 45015

Authorized Signature  
Lynne Harper







NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6160-4 1211

CUST. ORD. NO. & DATE 01020865		CUST. CODE 05/17/12	ACCEPTING MILL 110977	SHIPPER NO. VANDERGRIFT, PA.	PRODUCT CODE 545003	MILL ORDER NUMBER 13020102060000	DATE SHIPPED 30-052-366	07/03/12
FORMS DISTRIBUTION SOLD TO 1 SHIP TO SPEC		REPEAT ORDER 82037-5		GOVT CONTRACT DO RATE 26	MATL 1124	SHIPPING LOCATION VANDERGRIFT	INVOICE PA	655648
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		PRIME SEC. DSO DSO 516		SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015				

GRADE AND SPECIFICATIONS CARRIER - GROSS, RONALD, INC.  
 "ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIRMENTS)

METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

FLAT NON-WELDED TEST PIECE WAS USED FOR ISO 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

DIN EN 10204:2005 - 3.1 ATI ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

MATERIAL WAS SOLUTION ANNEALED AT 1900F (1038C) MINIMUM FOR A TIME COMMENSURATE WITH THICKNESS AND RAPIDLY COOLED WITH AIR AND WATER.

ATI ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

NO WELDS/WELD REPAIRS PERFORMED.

WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA (T7869) IS A GRAE S400 AND ISO/IEC 17025 APPROVED FACILITY.

TW METALS	
N49280492	
JUL 23 2012	
TEST	REPORTS
ACCEPTED BY	

PAGE 02 CONTINUED ON PAGE 03

CONSIGNEE-Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on receipt before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5980. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant: 724-226-5980. Attention: Les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Watt  
Director, Corporate Quality Assurance

Description: 304/304L ANN. 046-052 AMS5513.5511  
Customer: TW Metals  
Shipped: 07/20/2012  
Heat: 637656

Size: 36 X 120  
P.O.: M49280492  
Part: 51073  
Sales #: 01191693  
Quantity: 16

UNITED PERFORMANCE METALS  
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:  
3475 Symmes Road Hamilton, OH 45015

Authorized Signature  
Lynne Harper





NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6166-4 1211

CUST. ORD. NO. & DATE 01020865		CUST. CODE 05/17/12	ACCEPTING MILL 110977	SHIPPER NO. VANDERGRIFT, PA.	PRODUCT CODE 545003	MILL ORDER NUMBER 13020102060000	DATE SHIPPED 30-052-366	INVOICE 07/03/12
FORWARD DISTRIBUTION SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		REPEAT ORDER 82037-5	DO DATE 26	GOVT CONTRACT PRIME SEC. DSO DSO 516	SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015	SHIPPING LOCATION 1124 VANDERGRIFT PA	655648	

GRADE AND SPECIFICATIONS CARRIER - GROSS, RONALD, INC.  
 "ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 20 DATED 02/24/2012.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX I, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:  
 C, S BY COMBUSTION/INFRARED  
 N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY  
 MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
 B BY OES  
 AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
 PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAE S400 APPROVED FACILITIES (T1225 & T9317): NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.



PAGE 03 - CONTINUED ON PAGE 04

CONSIGNEE-Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, leave a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy please call 724-226-5980. CAUTION: Processing that releases fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-5980. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

07/03/12 15:45:13

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Hoff  
Director, Corporate Quality Assurance

Description: 304/00L ANN 048-052 AMSS513.5511  
 Customer: TW METALS  
 Shipped: 07/20/2012  
 Lot#: 83766

Size: 36 X 120  
 P.O.: M49280492  
 Part#: 51073  
 Sales #: 01191693  
 Quantity: 16

UNITED PERFORMANCE METALS  
 This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:  
 3475 Symmes Road Hamilton, OH 45015

Authorized Signature  
 Lynne Harper





NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 8168-4 1211

CUST. ORD. NO. & DATE 01020865		CUST. CODE 05/17/12 110977	ACCEPTING MILL VANDERGRIFT, PA.	SHIPPER NO. 545003	PRODUCT CODE 13020102060000	MIL. ORDER NUMBER 30-052-366	DATE SHIPPED 07/03/12
FORMS DISTRIBUTION SOLD TO → 1 SHIP TO → SPEC →		REPEAT ORDER 82037-5	DO I PH. MAIL ONLY 26	GOVT. CONTRACT	MATL 1124	SHIPPING LOCATION VANDERGRIFT PA	INVOICE 655648
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		PRIME SEC. DSO DSO 516	SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015				

GRADE AND SPECIFICATIONS CARRIER - GROSS, RONALD, INC.  
 "ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

ATI ALLEGHENY LUDLUM HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/EIC 17025, GEAE S400, GEAE S-1000. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ATI AL QUALITY CERTIFICATIONS.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:  
 1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.  
 2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:  
 BN = ATI-ALLEGHENY LUDLUM; 100 RIVER ROAD; BRACKENRIDGE, PA 15014  
 TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

TW METALS	
M49280492	REPORTS
JUL 23 2012	
ACCEPTED BY	

PAGE 04 - FINAL PAGE.

ISSUED BY ATI ALLEGHENY LUDLUM - 07/05/2012 07:45  
 CARRIE MCFALL - QUALITY ASSURANCE DEPT.

CONSIGNEE - Please Note: This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or change is discovered, leave a full description made by transportation agent on waybill before signing.

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The attached is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wolf  
Director, Corporate Quality Assurance

Description: 304L/304L ANN 048-052 AMS5513.5511  
 Customer: TW Metals  
 Shipped: 07/20/2012  
 Heat: 837666

Size: 36 X 120  
 P.O.: M49280492  
 Part#: 51073  
 Sales #: 01919693  
 Quantity: 16

UNITED PERFORMANCE METALS  
 This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:  
 3475 Symmes Road Hamilton, OH 45015

Authorized Signature  
 Lynne Harper



